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MONSANTO

From: G.A. Grundmann                      CS6G                      Corporate Engineering                      (4-6112)

Date: September 20, 1985                      cc: D.R. Bowers                      CS6G

Subj: Project Progress Meetings                      L.V. Bumbicka                      1740

Re: CEA 3808 - Main South Trunk Sewer                      R.M. Calles                      CS6G

TO: J.J. Beckerle                      Alberici                      M.A. Coco                      Alberici

W. Bodine                      Alberici                      J. Colling                      1740

T.N. Carrico                      1740\*                      R.J. Geile                      CS6G

W.C. Koester                      Alberici\*                      E.R. Hartman                      CS6G

K.W. Lichtenheld                      CS6G\*                      P.R. Hoemann                      1740

C.J. Lotz                      Alberici\*                      L.C. Kreh                      F2ED\*

R.L. Nelson                      1740\*                      F.A. Mayse                      CS6G

K.W. Petterson                      1740\*                      B.W. Steketee                      1740\*

R.C. Martini                      1740\*                      R.L. Wiese                      CS6G

O.N. Shipley                      1740                      \*Present at meeting

R. Schlereth                      Fleischer Seeger\*\*                      \*\*Part time

Following are minutes of the meeting held at the CED construction trailers on 9/19/85 at 9:30 a.m.

1. Construction Progress

- a. Hydro test of 2 exotherm joints passed. This allows manhole 1-EE to be water tested (9/20/85). All pipe between manholes 1-EE and 2-AA has been concrete encased. This allows piling to be pulled between these manholes (except for sheet piling at manhole 1-EE). Backfilling can then be completed.
- b. Approximately 20 joints will be tested on 9/20/85 between manholes 2-BB and 2-CC.
- c. All 42" pipe has been placed in the trench between manholes 2-AA and 2-BB. Joint installation work is in progress. Plan to test by the end of next week on this run.
- d. The bases for manholes 2-CC and 2-EE have been poured, and the walls are being formed.
- e. The cleanout has been installed on lateral L-34 and the remaining pipe encased. This lateral can now be totally backfilled.
- f. Sample house received and will be set 9/19/85.
- g. There is some muck in the trench between manholes 2-AA and 2-EE. This area needs to be dried up so base can be laid.

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- h. Work in progress on the section of pre-encased pipe that goes between manholes 1-JJ and 1-D-1.
- i. The sewer pipe on the north side of manhole 1-GG has been tied into the existing ACL line. Joints are complete and curing. The line will be encased Monday.
- j. Piling will be driven starting next week between manholes 2-CC and 2-DD.
- k. Cleanup of the area continues.

## 2. Internal Manhole Work

- a. Manhole 1-AA. Flume and floor brickwork are complete. Now bricking walls.
- b. Manhole 1-BB. The cloth strips are being applied today. The finish coat of furan will be applied Monday. Brickwork to start approx. 1 week from Monday (9/30/85).
- c. Manhole 1-CC. The final asphalt membrane layer will be installed starting 9/20/85. The furan membrane work will start immediately after this work is complete.
- d. It was noted that the cloth installation on the furan should be in sections approx. 38" x 38" maximum.
- e. Fleischer Seeger will need a fourth manhole to work on in about 2 weeks.

## 3. Jumpers

- a. The final details of the T-3 jumper should be resolved today. Lichtenheld. Alberici can then order the fittings.
- b. Manhole entry procedures required for the two manholes (4C and 33B). Martini and Carrico.
- c. Lichtenheld to make one final check of flows with Nelson.
- d. The T-3 jumper work is now scheduled to start 10/3. There are a number of reasons for proceeding with this work immediately:
  - 1) The ground water level is now very low and no dewatering will be required.
  - 2) The weather is good. (As opposed to winter installation.)

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- 3) We need to find out if we have any problems installing this jumper ASAP so we can make adjustments if necessary.

4. Department 245

- a. Piling for culvert pipe under track 4 to be driven starting on Monday, 9/23.
- b. A list of guidelines for working around the 245 area follows: (From Jody Colling)
  - 1) The tunnel will be installed 10/1 to 10/11.
  - 2) Exploratory digging is complete.
  - 3) Before starting the work between manholes 2-DD to 3-AA, the following items need to be accomplished.
    - a) Provide slab access north end of old CED warehouse pad.
    - b) Need forklift bridge across 2-CC to 2-DD trench for access to dept. 245 from south.
    - c) Finish exploratory digging (complete).
  - 4) 2-CC to 2-DD must be finished before starting north of dept. 245 on the 3-AA to 3-BB trench. (Possible problem area.)
  - 5) Look at providing access from the west to the east north of manhole 2-AA.
  - 6) Must have box car unloading dock access north of 3-AA to 3-BB excavation.
  - 7) Must modify east truck dock before starting 3-AA to 3-BB.
- c. In order to maintain the operation of dept. 245, work from manholes 3-BB to 3-CC may be restricted. (This situation needs to be reviewed to see if there is a way around this limitation.)
- d. The ground water level is currently very low north of dept. 245. Nonetheless, a dewatering pump is being installed by 9/20 at #11 hole to insure a dry excavation.

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#### 5. ACL Shutdown

Nelson has furnished the following information pertaining to the ACL shutdown:

The present scheduled "maintenance turnaround" for dept. 251 (ACL) is to begin 11/12/85. The minimum outage presently scheduled is 12 days.

During the first day or day and a half, the dept. will be in a "wash down" phase. Upon completion of the wash down sewer flows will be minimized. There will be no major process flows in the existing 15" or 18". A small quantity of water will be flowing from the treatment facilities during this period.

The existing flows in the 18" sewer from the treatment facilities are: 450 gpm; temp of 20° to 30°C and a ph 1 to 1.5.

The suggested material of construction for the flume through manhole 1-DD for this stream is Fibercast CL2030 piping.

#### 6. Miscellaneous

a. The pipe from manhole 2-FF interferes with the 42" pipe coming out of manhole 2-CC. Two options are being reviewed:

- 1) The sewer pipe from manhole 2-FF may have to flow to manhole 2-DD.
- 2) Manhole 2-FF could be eliminated and pipe changes on existing manholes may be made.

Lichtenheld and Nelson to look at the existing manholes to determine their condition and suitability for this work.

b. Construction will work this Saturday and will extract or drive piling. Carrico to handle permits.

c. Procedures for tie-ins of each manhole have been discussed to manhole 2-AA. Martini and Petterson to publish these procedures for review and comment.

d. Water is leaking into the portion of the trench that has been excavated east of manhole 2-CC. Petterson to resolve. (This is not a dewatering problem.)

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- e. Discussions were held pertaining to interpreting the Monsanto specifications for manhole wall and encasement tolerances relating to bulges and depressions. Alberici and Monsanto currently disagree. The discussion centered around manhole 1-DD. Resolution was delayed until the surfaces of manhole 1-EE can be checked after the water test is complete.

The next progress meeting will be held on Thursday, September 26 at 9:30 a.m. at the construction trailers. All Monsanto personnel are to meet prior to this meeting at 9 a.m.

  
Gordon Grundmann

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